

OIPE

Serial Number: 101007280A

CRF Processing Date: 4/8/02

Edited by:

Verified by: DC (STIC staff)

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically:
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included:
- ☐ Deleted extra, invalid, headings used by an applicant, specifically:
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as
- ☐ Inserted mandatory headings, specifically:
- ☐ Corrected an obvious error in the response, specifically:
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically:
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected:
- ☐ Other:

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95



OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/007,280A

DATE: 04/08/2002 P-6

TIME: 12:47:41

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF3\04082002\J007280A.raw

3 <110> APPLICANT: Sun, Yongming
 4 Recipon, Herve
 5 Salceda, Susana
 6 Chenghua, Liu
 8 <120> TITLE OF INVENTION: Compositions and Methods Relating to Ovary Specific Genes
 and Proteins
 10 <130> FILE REFERENCE: DEX-0257
 12 <140> CURRENT APPLICATION NUMBER: US 10/007,280A
 13 <141> CURRENT FILING DATE: 2001-11-07
 15 <150> PRIOR APPLICATION NUMBER: US 60/246,640
 16 <151> PRIOR FILING DATE: 2000-11-08
 18 <160> NUMBER OF SEQ ID NOS: 238
 20 <170> SOFTWARE: PatentIn version 3.1
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 151
 24 <212> TYPE: DNA
 25 <213> ORGANISM: Homo sapien
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 28 <221> NAME/KEY: misc_feature
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 35 <222> LOCATION: (82)..(82)
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 39 <220> FEATURE:
 40 <221> NAME/KEY: misc_feature
 41 <222> LOCATION: (129)..(129)
 42 <223> OTHER INFORMATION: n= a, c, g or t
 45 <220> FEATURE:
 46 <221> NAME/KEY: misc_feature
 47 <222> LOCATION: (143)..(143)
 48 <223> OTHER INFORMATION: n= a, c, g or t
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 59 <210> SEQ ID NO: 2
 60 <211> LENGTH: 59
 61 <212> TYPE: DNA
 62 <213> ORGANISM: Homo sapien
 64 <400> SEQUENCE: 2
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 68 <210> SEQ ID NO: 3

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70 <212> TYPE: DNA

71 <213> ORGANISM: Homo sapien

73 <400> SEQUENCE: 3

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78 aaaatgtgtg tgtctgtgaa aaaatttggc ccgttacggg ggctaaaaatg caatggtgca 180
80 acctcagctg atggccaagt cggctaccta gggtcaaacg aatctaccgc gctaagcctc 240
82 cgaagtagct ggtaatacag ggcattgcgc acgatgccca gccaatgtgt catgcttagt 300
84 acagactggg ttccaccatg ttggtcagcc cctcgaactc ctgacctcag gtgattcgct 360
86 gcctcggcat cccaaagtgc tgggatacag gcctgagcca ctgcgcaccg gtcgcaaaat 420
88 gtttctgagc agtggtttat actgtagtct gtttccatat ctacatttat cgtatttata 480
90 tattttattta ctgagacagg gtctcactct gtttcccagg ctggagtatg gtggcacaat 540
92 cttggcttac tgcaacctcc acctcccagg ctcaagcaat cctcccacct cagcctccca 600
94 agtagctggg actagagatg tatgccatca cacctggctt tgtgtgtgtg tgtgtgtgtg 660
96 tgtgtgtgtg tgtgtgtgtg tgtgtagaga tgaggtttca ctatgtttcc caggctgggc 720
98 tcgaactcct aagctcaagc gatccacca tctcggcctc ccaaagtgtc gggattatag 780
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104 acccagggcc aggtgatgtg ttggtttagt tcaggactga gctttattat gcatctccca 960
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130 tcaactcgga gatcactgca acctctgcct cccgggctca agcgattctc ctgcctcagc 1740
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134 agtagagacg gcgtttcacc atgttggtca ggatggtctc tatctcctga cctcgtgac 1860
136 caccgcctc agcctcccag agtgctggga ttacagggtg gatttgccgt gcccggtat 1920
138 cctagctgtt actctttacc agatccagta taggccctg ggactggagt ccaaggcagt 1980
140 aatggttctc ctgggtccact ttctggcctc tttctcctgg tgtgacctca aacccggtta 2040
142 ccctattatc ccctctatca gaaaaatgga gacgatgcat actgcccacc tggcacacaa 2100
144 gggaggagga aatcgacact tctgaagatc tatggttctg caccacacct cacagcctgc 2160
146 accactacct tggttcagcc agcataggag tccctagctg cttctctctt gtcccagggt 2220
148 tctgtttcca gaaaggagag gactgagacc cagcagttat ccttcagggt tctggtgtta 2280
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155 <212> TYPE: DNA

156 <213> ORGANISM: Homo sapien

158 <400> SEQUENCE: 4

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PATENT APPLICATION: US/10/007,280A

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Output Set: N:\CRF3\04082002\J007280A.raw

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163 acacaacctg taggtcttat ctctggggtc tgggaaacag aaccttaatg ttacaggtac 180
165 aaaagcaaac agagtgatta gttccccatt ttctggtagt gaacaactga cattttttca 240
167 atcttatgta aaatgtgaat aaaaat 266
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173 <213> ORGANISM: Homo sapien
175 <400> SEQUENCE: 5
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180 caaaagtgaataataattc ttgagtttca tgccctttga ggtgcctttt taaaaataat 180
182 caaaatgttg ttgggagacc ccatccaatt taatcgggtg ttatttaatt atactactat 240
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186 gatttgaat tgtgaggcgt gagtgtggaa ttgaattact tcattaaaga gtaaccagtt 360
188 actgagaatc catgtttcat tgagactggg gtttttctac tttatccttt tttttttttt 420
190 tttgagacgg agtcttgctc tccagcctgg caatcagagt gagacctgt ctcaaaaaca 480
192 aaaataccta gaaaatcaat ctactctgtc ttttaatgtg aaatgttctt atgatatgta 540
194 tctttcttag tttccttttt ttctgaagca ctaaacacaa cctgtaggtc ttatctctgg 600
196 ggtctgggaa acagaacctt aatgttacag gtacaaaagc aaacagagtg attagttccc 660
198 cattttctgg tagtgaacaa ctgacatttt ttcaatctta tgtaaaatgt gaataaaaaat 720
200 aatttttagaa agttatctta tttttatgtt ctgtaacaca aatagttaag aaaatgaata 780
202 ctgttatgt aaatgaagct tcacagcagg acctccggca taactttgat catgttgat 840
204 ctcttaagca ttttatatag gaattctggg gtggtaccc aaagcagaag ggaaggcaat 900
206 caactaaaaa tccctttcta ttgagttatt ttcatcatgt aaattacttc aggcttttct 960
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210 tttaatccat gtgattttta tgagttgaaa gctataaggt tttttaatta aaaatttctt 1080
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214 agaaaacaag ttatgttcac gggttatgtc ataataaggt cctgggact ttattaaact 1200
216 gtcactatc atactgctat gaaatctggg cctagttttt aacagatcct ctgaccagtg 1260
218 ggttactccg ggaacttcac tgccccgttt cccaacacct cgtcctgtct cggctacact 1320
220 tgaagcttat ggtctttcca atgcgacagc ggggttgga acggcatata ttccgcggct 1380
222 gagggccct gccccaagag ggggacgcgc cccctgcgga ctttttccgg tggggcaccc 1440
224 tttgggcat acaactcccc gaggttggtta taagtatact ata 1483
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228 <211> LENGTH: 345
229 <212> TYPE: DNA
230 <213> ORGANISM: Homo sapien
232 <400> SEQUENCE: 6
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235 ctctccttga acctgagaga agatgttgca gtcctagtc ttttccctcc aggaggcatt 120
237 tctgcccttt gcaaatcatt ggatgctaaa caaaatgtgg agaaaacata ttgccctgct 180
239 ctatctggca gttccaaga ttcaatgata tattgggaaa ggagtaactc acttcccctt 240
241 ccagcaacat gtaagcccta gactcctgcc aggccaaaaa tatccccgat taaacaaatt 300
243 atgtagcaga agtcttttga attaataaac caaatttgaa taatt 345
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Input Set : A:\PTO.DC.txt

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258 atcccagccc atcttaactc atttttctct ccttgaacct gagagaagat gttgcagtcc 240
260 tagtcctttt cctcccagga ggcatttctg ccctttgcaa attcatggat gctaaacaaa 300
262 atgtggagaa aacatattgc cctgctctat ctggcagctt ccaagattca atgatatatt 360
264 gggaaaggag taactcactt ccccttcag caacatgtaa gccctagact cctgccaggc 420
266 caaaaatata cccgattaaa caaattatgt agcagaaaagt ctttgaatta ataaacaaaa 480
268 tttgaataat t
269 tttgaataat t 491
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272 <211> LENGTH: 91
273 <212> TYPE: DNA
274 <213> ORGANISM: Homo sapien
276 <400> SEQUENCE: 8
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279 aggccacctc atctcttcca ttggccacca g
280 ttggccacca g 91
282 <210> SEQ ID NO: 9
283 <211> LENGTH: 890
284 <212> TYPE: DNA
285 <213> ORGANISM: Homo sapien
287 <400> SEQUENCE: 9
288 cgtaatttgg agttctcctt cgaatttgac caactcaggt agagttaatc aaatctgatg 60
290 gaagaaaacc aaaataacaa aacaaatatg attactgagg acttttaatg gtaaggagaa 120
292 gttaagacca gttacttgct aatcttaact tttagtcact aaggggaatt ttcaagacaa 180
294 aactctaatt gagctactta cctaggaatg aggtcacgc tgaacactgc tgtctaccat 240
296 ctatgaagca ggaaaaaact caaactcact ttctctgttg gaaggagca gaaactccag 300
298 aaaggacttg ctggccctcc atcatcatgg aaacaggaaa actaatcttc cttgttgtaa 360
300 gtgagtaaaa ctccaaaaaa ggaggagtgt tacagcaaaa tgaaccttag acctcaacca 420
302 aatttgggga gagcaatgat tctctgaagg gacctccag acctcagcaa attgtattat 480
304 tggtttgagc aataaagata ggccaagctg gtaccaagca tggatggatt tgtcaaagat 540
306 caggccacct catctcttcc attggccacc agtttataaa ccaaagagta tctgagacag 600
308 gtctcaatca attcagaagt ttattttgcc aagggttaag acatgcctgg aagaaaataa 660
310 catggaccca caggaacagt ctgtggtctg agtctttctc caaagataaa tttcaaggct 720
312 tcaatattta aagggaatat gtaggctgga ggggagaggg gtagagtata gtaatcccca 780
314 tgttgtaaga gaaaaggagc gggtaaggga atagtcaatt atgtattcat ctcatgctca 840
316 ataaattggc actttacata agaaaaaaa aaaaaaaaaa aaatgcggcc 890
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322 <213> ORGANISM: Homo sapien
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329 tgaagcagtt ttatttctga agtgatacta aagaataggc atgcgtgtcc aggctagtta 180
331 cagttaaatt taggaataag gcacagtaat aaagatacta tctttagact tgaaaattat 240
333 aaatccttag ttgttattcc ttatcagttt ataaagttaa caatgaatgt acagactaca 300
335 agctatcaaa tgtactgtag atgaaaagg caataaacac tagtcagagt tagaggtaga 360
337 atgatataat ggaaaggtag gaattg
338 gaattg 386

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RAW SEQUENCE LISTING

DATE: 04/08/2002

PATENT APPLICATION: US/10/007,280A

TIME: 12:47:41

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343 <213> ORGANISM: Homo sapien
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348 tagagtgtta ctatgtcttg ttcaagtagc acaggggccg ggaaatacaa tttgaaggga      120
350 gaggctaate tttaaaggca gtcattgatt gtattttaaa ttacaattta caaccccatg      180
352 gtaatgaaca cataggctaa acaaataata actcaattaa aataacatgc aatgatactt      240
354 tacaaaaatg ctgctgagaa gaacatcgag ttacatcat gctgaatata taaaaatagc      300
356 tagatgacta tttaaccttc tttttatatg tatagatata gcgttataat tttcccaacta      360
358 gaatttaatt ttatattata gaccttttca gtgccttcag tgacctatg agtgtctttt      420
360 taagattgcc tttggaccct ggtgtcgggt tgggactg      458
363 <210> SEQ ID NO: 12
364 <211> LENGTH: 490
365 <212> TYPE: DNA
366 <213> ORGANISM: Homo sapien
368 <400> SEQUENCE: 12
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371 tagagtgtta ctatgtcttg ttcaagtagc acaggggccg ggaaatacaa tttgaaggga      120
373 gaggctaate tttaaaggca gtcattgatt gtattttaaa ttacaattta caaccccatg      180
375 gtaatgaaca cataggctaa acaaataata actcaattaa aataacatgc aatgatactt      240
377 tacaaaaatg ctgctgagaa gaacatcgag ttacatcat gctgaatata taaaaatagc      300
379 tagatgacta tttaaccttc tttttatatg tatagatata gcgttataat tttcccaacta      360
381 gaatttaatt ttatattata gaccttttca gtgccttcag tgacctatg agtgtctttt      420
383 taagattgcc tttggaccct ggtgtcgggt tgggactggc actaagtgc atcctaaaat      480
385 tttccataaa      490
388 <210> SEQ ID NO: 13
389 <211> LENGTH: 64
390 <212> TYPE: DNA
391 <213> ORGANISM: Homo sapien
393 <400> SEQUENCE: 13
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396 gcac      64
399 <210> SEQ ID NO: 14
400 <211> LENGTH: 921
401 <212> TYPE: DNA
402 <213> ORGANISM: Homo sapien
404 <220> FEATURE:
405 <221> NAME/KEY: misc_feature
406 <222> LOCATION: (68)..(68)
407 <223> OTHER INFORMATION: n= a, c, g or t
410 <400> SEQUENCE: 14
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W--> 413 ctgtcttnag aaaagggaact agagaagtac agggctcgatt gtagggctgt gtctagggca      120
415 tattccctgg aaataaaata ggttcttgga gctgtactga gacgagcttt cgaccatgct      180
417 aaattcctat tagtagtttt ttttaaatga accaatttgc tattaatatg tattctttgg      240
419 tgaaactgtc caaatatttt gaccatcttt tattttatta ttattattga tatagctgga      300
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 04/08/2002
PATENT APPLICATION: US/10/007,280A TIME: 12:47:42

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF3\04082002\J007280A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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Seq#:14; N Pos. 68
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Seq#:33; N Pos. 420
Seq#:35; N Pos. 486
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Seq#:38; N Pos. 475,476,477,478,479,480,481,482,483,484,485,486,487,488,489
Seq#:38; N Pos. 490,491,492,493,494,495,496,497,498,499,500,501,502,503,504
Seq#:38; N Pos. 505,506,507,508,509,510,511,512,513,514,515,516,517,518,519
Seq#:38; N Pos. 520,521,522,523,524,525,526,527,528,529,530,531,532,533,534
Seq#:38; N Pos. 535,536,537,538,539,540,541,542,543,544,545,546,547,548,549
Seq#:38; N Pos. 550,551,552,553,554,555,556,557,558,559,560,561,562,563,564
Seq#:38; N Pos. 565,566,567,568,569,570,571,572,573,574,575,576,577,578,579
Seq#:38; N Pos. 580,581,582,583,584,585,586,587,588,589,590,591,592
Seq#:40; N Pos. 227,240,244,272,317,330,377
Seq#:42; N Pos. 326,327,328,329,330,331,332,333,334,335,336,337,338,339,340
Seq#:42; N Pos. 341,342,343,344,345,346,347,348,349,350,351,352,353,354,355
Seq#:42; N Pos. 356,357,358,359,360,361,362,363,364,365,366,367,368,369,370
Seq#:42; N Pos. 371,372,373,374,375,376,377,378,379,380,381,382,383,384,385
Seq#:42; N Pos. 386
Seq#:43; N Pos. 326,327,328,329,330,331,332,333,334,335,336,337,338,339,340

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Seq#:43; N Pos. 341,342,343,344,345,346,347,348,349,350,351,352,353,354,355
Seq#:43; N Pos. 356,357,358,359,360,361,362,363,364,365,366,367,368,369,370
Seq#:43; N Pos. 371,372,373,374,375,376,377,378,379,380,381,382,383,384,385
Seq#:43; N Pos. 386
Seq#:44; N Pos. 425
Seq#:45; N Pos. 707,708,709,710,711,712,713,714,715,716,717,718,719,720,721
Seq#:45; N Pos. 722,723,724,725,726,727,728,729,730,731,732,733,734,735,736
Seq#:45; N Pos. 737,738,739,740,741,742,743,744,745,746,747,748,749,750,751
Seq#:45; N Pos. 752,753,754,755,756,757,758,759,760,761,762,763,764,765,766
Seq#:45; N Pos. 767,768,769,770,771,772,773,774,775,776,777,778,779,780,781
Seq#:45; N Pos. 782,783,784,785,786,787,788,789,790,791,792,793,794,795,796
Seq#:45; N Pos. 797,798,799,800,801,802,803,804,805,806,807,808,809,810,811
Seq#:45; N Pos. 812
Seq#:56; N Pos. 279
Seq#:59; N Pos. 33,111
Seq#:60; N Pos. 335
Seq#:61; N Pos. 415,417,475,482,521
Seq#:62; N Pos. 143,148
Seq#:64; N Pos. 179,180,181,182,183,184,185,186,187,188,189,190,191,192,193
Seq#:64; N Pos. 194,195,196,197,198,199,200,201,202,203,204,205,206,207,208
Seq#:64; N Pos. 209,210,211,212,213,214,215,216,217,218,219,220,221,222,223
Seq#:64; N Pos. 224,225,226,227,228,229,230,231,232,233,234,235,236,237,238
Seq#:64; N Pos. 239,240,241,242,243,244,245,246,247,248,249,250,251,252,253
Seq#:64; N Pos. 254,255,256,257,258,259,260,261,262,263,264,265
Seq#:67; N Pos. 274
Seq#:69; N Pos. 425,475
Seq#:71; N Pos. 311,386
Seq#:77; N Pos. 199,202,208,211
Seq#:84; N Pos. 392,393,394,395,396,397,398,399,400,401,402,403,404,405,406
Seq#:84; N Pos. 407,408,409,410,411,412,413,414,415,416,417,418,419,420,421
Seq#:84; N Pos. 422,423,424,425,426,427,428,429,430,431,432,433,434,435
Seq#:88; N Pos. 372
Seq#:94; N Pos. 95,136,194
Seq#:112; N Pos. 324,364
Seq#:114; N Pos. 314,315,316,317,318,319,320,321,322,323,324,325,326,327
Seq#:114; N Pos. 328,329,330,331,332,333,334,335,336,337,338,339,340,341
Seq#:114; N Pos. 342
Seq#:118; N Pos. 209,444
Seq#:120; N Pos. 494,540
Seq#:121; N Pos. 540
Seq#:122; N Pos. 99,113
Seq#:124; N Pos. 324
Seq#:127; N Pos. 100,112,134,151,152,161,164
Seq#:128; N Pos. 5379,5382,5391,5392
Seq#:129; N Pos. 389,390,391,392,393,394,395,396,397,398,399,400,401,402
Seq#:129; N Pos. 403,404,405,406,407,408,409,410,411,412
Seq#:132; N Pos. 393
Seq#:134; N Pos. 289
Seq#:156; Xaa Pos. 7

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Seq#:158; Xaa Pos. 21,35,45,48,52,58,61
Seq#:159; Xaa Pos. 20
Seq#:164; Xaa Pos. 4
Seq#:165; Xaa Pos. 10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28
Seq#:165; Xaa Pos. 29,30
Seq#:176; Xaa Pos. 22
Seq#:178; Xaa Pos. 21
Seq#:179; Xaa Pos. 21,22
Seq#:182; Xaa Pos. 21
Seq#:198; Xaa Pos. 80
Seq#:203; Xaa Pos. 9,23,42
Seq#:226; Xaa Pos. 14,18
Seq#:232; Xaa Pos. 291,292,293,294,295,296,297,298,299

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L:54 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:60
L:56 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:120
L:413 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:60
L:738 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:60
L:740 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:120
L:742 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:180
L:801 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:240
L:921 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:240
L:923 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:300
L:925 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:360
L:927 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:420
L:987 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:120
L:991 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:240
L:993 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:300
L:1020 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:360
L:1070 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:480
L:1171 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:240
L:1173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:300
L:1175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:360
L:1177 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:420
L:1179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:480
L:1181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:540
L:1263 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:180
L:1265 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:240
L:1267 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:300
L:1269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:360
L:1317 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:300
L:1319 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:360
L:1348 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:300
L:1350 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:360
L:1383 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:420
L:1426 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:660
L:1428 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:720
L:1430 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:780
L:1755 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:240
L:1836 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59 after pos.:0
L:1838 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59 after pos.:60
L:1881 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:300
L:1936 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61 after pos.:360
L:1938 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61 after pos.:420
L:1940 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61 after pos.:480
L:1965 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62 after pos.:120
L:2001 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64 after pos.:120
L:2003 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64 after pos.:180
L:2005 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64 after pos.:240
L:2078 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67 after pos.:240
L:2136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69 after pos.:420
L:2178 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71 after pos.:300

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L:2180 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71 after pos.:360

L:2310 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77 after pos.:180